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(54) MULTI-FREQUENCY RADIO COMMUNICATION METHOD

(57) Abstract:

PURPOSE: To send a data by applying time division to a communication channel in response to the transmission data length of a mobile station to use the communication channel efficiently.

CONSTITUTION: A control station applies polling to mobile stations 1-3, and the mobile stations 1-3 applies call request including a transmission data length, respectively. The control station compares the remaining time of the communication time of the communication channel with the transmission time of the mobile stations 1-3 corresponding to the transmission data length to decide the transmission priority and issues a notice to permit the call request to the mobile station 1 having the longest transmission data length. Receiving the data from the mobile station 1 with the highest priority, the control station gives the transmission priority to a mobile station whose transmission time corresponding to the transmission data length is shorter than the remaining time through the result of comparison of the transmission time of the mobile station 1-3 corresponding to the transmission data length with the remaining time of the communication time of the communication channel.

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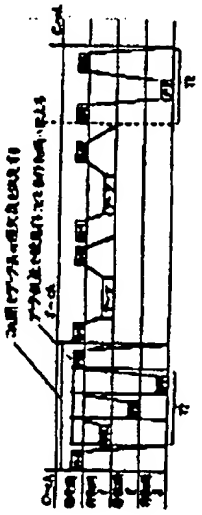

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第 1 図

3/3 msec	25 msec	8 byte	25 msec	8 byte	8 byte × 19
ビット同期 (プリアンブル)	フレーム同期	ヘッダ	フレーム同期	ヘッダ	データ部
Bit sync. (Preamble)	Frame Sync.	Header	Frame Sync.	Header	Data portion

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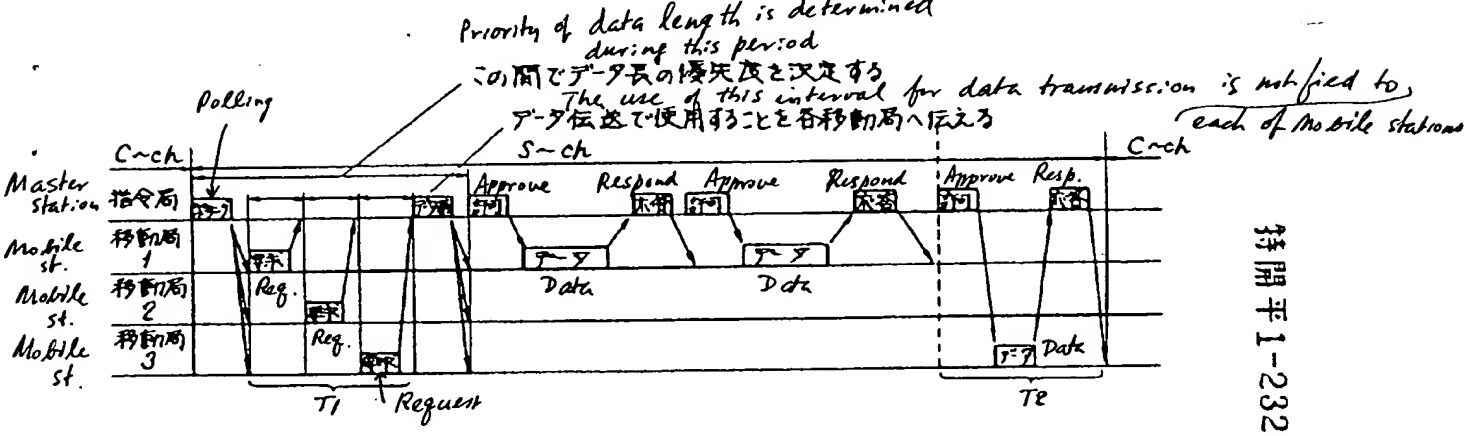
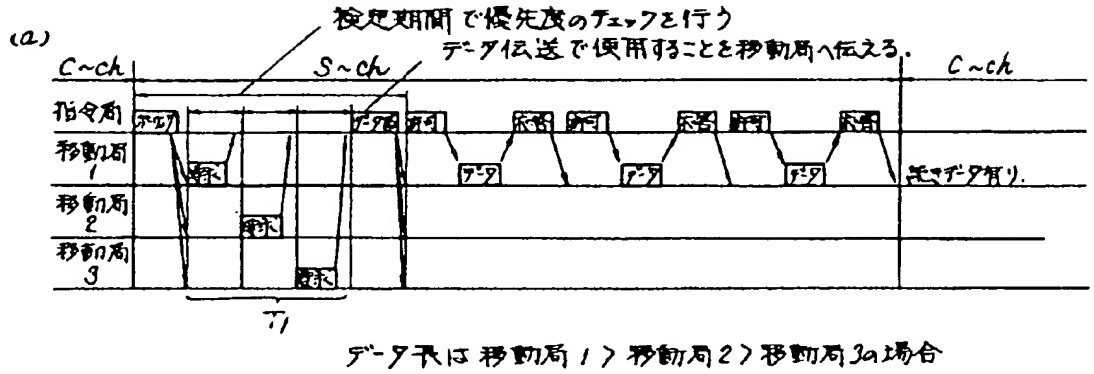
第 2 図



データ長は 移動局 1 > 移動局 2 > 移動局 3 の場合

Data length assumed to be Mobile 1 > Mobile 2 > Mobile 3

第 3 図



データ長は 移動局1 > 移動局2 > 移動局3の場合

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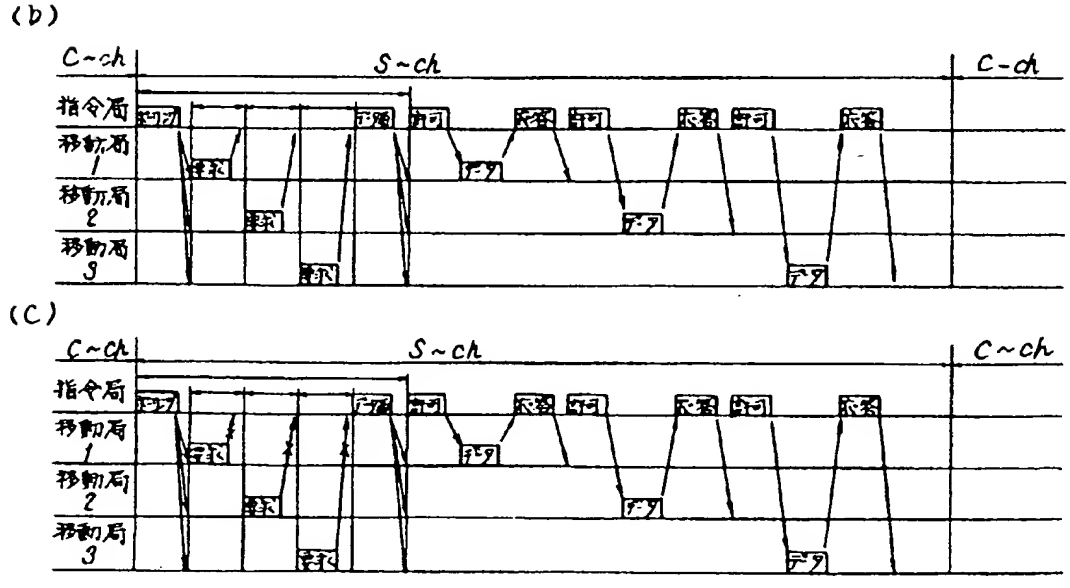
第 3 図